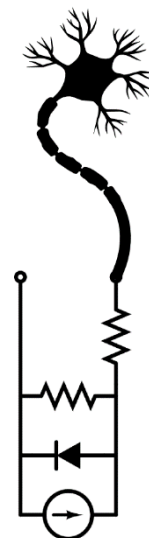


Zagreb Bioelectronics Workshop 2020

30.01 – 01.02. 2020

University of Zagreb, Faculty of Science, Physics department

Bijenička cesta 32, Zagreb

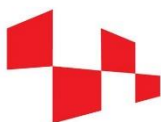


Workshop program

Thursday, 30.01.2020		TP Seminar, F-201 (2 nd floor)	
09:30-10:00	Vedran Đerek University of Zagreb, Physics department	Micro- and nano-structures for 3D opto-bioelectronics – project overview	
10:00-10:45	Eric Głowacki Linköping University, Sweden	Organic nanocrystalline semiconductors for bioelectronics and catalysis	
10:45-11:15	COFFEE BREAK (Blue room, 1st floor)		
11:15-11:35	Marie Jakesová Linköping University, Sweden	Precise drug delivery with organic electronic ion pump	
11:35-11:55	Ludovico Migliaccio Linköping University, Sweden	Fabrication of organic flexible neural interface devices for optical stimulation	
11:55-12:10	Marta Nikić University of Zagreb, Physics department	Advantages of 3D structuring for neural interfaces	
12:10-12:30	Malin Silverå Ejneby Linköping University, Sweden	Optoelectronic control of single cells using organic photocapacitors – the <i>Xenopus laevis</i> oocyte model	
12:30-12:45	Katarina Vulić University of Zagreb, Physics department	Return electrode in electrostimulation – faradaic versus capacitive modes	
12:45-14:00	LUNCH BREAK (Blue room, 1st floor)		
14:00-16:00	3DOptoBio project kick-off meeting		

Friday, 31.01.2020		3DOptoBio Lab (F-013)	
09:30-12:30	Eric Głowacki, Vedran Đerek	Photocapacitor workshop I – vacuum evaporation of organic pigments for fabrication of optoelectronic devices	
12:30-13:30	LUNCH BREAK		
13:30-17:00	Marie Jakesová, Malin Silverå Ejneby, Ludovico Migliaccio	Photocapacitor workshop II – photocapacitor characterization by electro-photo response measurements	

Saturday, 01.02.2020		Blue room, 1 st floor	
10:00-11:00	Vedran Đerek	Processing big data from Intan electrophysiology platforms	
11:00-12:30	Vedran Đerek	Python/Intan workshop	



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